NOVEMBER/DECEMBER 2024

CEL33/BEL33 — PROGRAMMING IN C

Time : Three hours Maximum : 75 marks

SHANMUGA INDUSTRIES ARTS & SCIENCE COLLEGE LIBRARY

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Write down any two examples for integer constants.

2. What is variable?

3. Write the syntax of if-else statement.

4. What is function?

5. Write down the format of number declaration in one dimensional array.

6. What is pointer?

7. Define structure.

8. What is union?

9. Write the general format for declaring and opening a file.

10. Write down the syntax of getw and putw.

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Explain how variable are declared.

Or

(b) Discuss the arithmetic operators.

12. (a) Explain the following statements

(i) for

(ii) do-while.

Or

(b) Describe the declaration of function.

13. (a) Discuss the initialization of one dimensional array.

Or

(b) Outline the pointer operation.

14. (a) Discuss the structure initialization.

Or

(b) Enumerate the unions.

15. (a) Describe the closing of a file.

Or

(b) Explain the I/O operation on file.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain the types of constants.

17. Describe the following statements

(a) if-else

(b) switch

(c) break

(d) goto.

18. Explain the two dimensional arrays.

19. Describe the self-referential structures.

20. Explain the 'C' processor.

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